



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RBWSI-HT-12AS
Job Sheet 171522



001142

Part No: RBWSI-HT-12AS

Job Qty: 10 ea

Part Name: Grommet Installation Tool



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/2/18

Job Tracking No:

Due Date: 2/9/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG RBWSI-HT-12AS Rev E IPP Rev A 18.02.02 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea		2/8/18	0.00	0.00	Start Up Small Fab-2		MLL
110	Small Fab	10 pcs		2/9/18	0.00	2.50	Small Fab-3		MLL
120	QC	10 pcs		2/9/18	0.00	0.00	QC5		MLL
130	Packaging	10 pcs		2/9/18	0.00	0.00	Packaging3-1		MLL 18/02/23
140	QC21-FG	10 Ea		2/9/18	0.00	0.00	QC21		MLL 18/02/23

Part Op 110 - 1-Apply Loctite to mating surfaces of item -5 and -1 as per note 7 -Loctite 263 B

Descriptions: Exp.: 6/18 2-Press fit -5 into -1 3-1-Assemble as per DWG. Sheet 1. 262

FEB 7 2 00

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN315-4R	Nut	10 Ea (1 ea)	90-Start up Operation	FM128978
AN4-16A	Bolt	10 Ea (1 ea)	90-Start up Operation	S024838
NAS1149F0463P	Washer	10 Ea (1 ea)	90-Start up Operation	FM127832-25
RBWSI-HT-12AS-1	Top	10 Ea (1 ea)	90-Start up Operation	S039790
RBWSI-HT-12AS-3	Base	10 Ea (1 ea)	90-Start up Operation	S039783

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	331 AN315-4R FM128978	10	73	0
	343 AN4-16A S024838	10	247	0
	262 NAS1149F0463P FM127832-25	10	184	0
	RBWSI-HT-12AS-1	10	0	0
	RBWSI-HT-12AS-3	10	0	0

Part Specifications

Specifications could not be found.



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Container No: S044994



Part: RBWSI-HT-12AS

Job No: 171522

Serial No/Batch: S044994

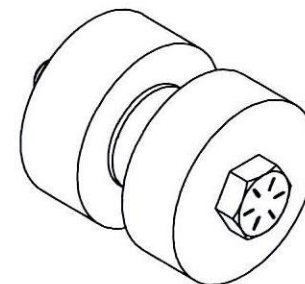
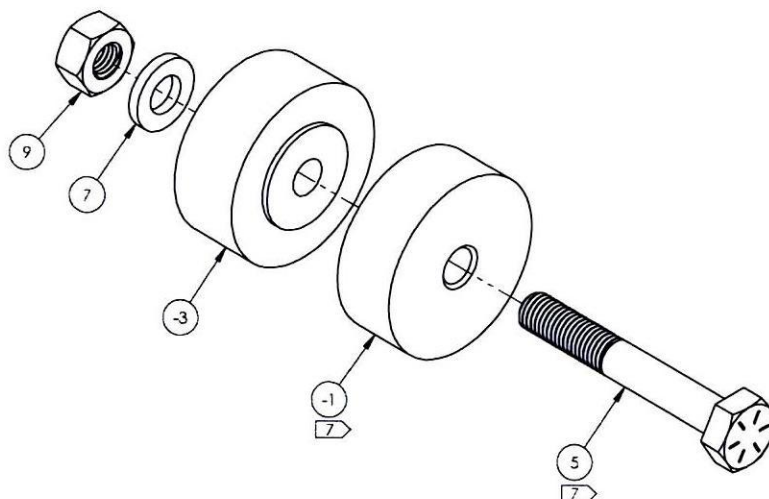
Revision: RBWSI-HT-12AS

Inspector:

Date: 02/23/18

ITEM #	QTY	PART #	TITLE
-1	1	RBWSI-HT-12AS-1	TOP
-3	1	RBWSI-HT-12AS-3	BASE
5	1	AN4-16A	HEX BOLT 1/4"-28
7	1	NAS1149-F0463P	WASHER 1/4"
9	1	AN315-4R	HEX NUT 1/4"-28

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
1	CHD TO THROUGH BOLT & NUT FOR TIGHTENING.	-	4/12/2002	-	-
2	ADDED NEW REV. TABLE & ZINC PLATE TO B/O INFORMATION.	-	8/13/2008	WP	DW
3	INSTALLED NEW FORMAT AND RE-ORGANIZED DRAWINGS.	-	8/27/2008	WP	RW
3A	-1 & -3 CHD BOM DIAMETER WAS Ø1-1/2 IS Ø1.25. ADDED P/N'S FOR WASHER & NUT IN BOM.	-	8/23/2011	RJC	DW
4	CHD T/N WAS WSI-HT-12AS IS RBWSI-HT-12AS. -1 DELETED REDBARN LOGO FROM TOOL CHD ENGRAVE NOTE. ADDED - NUMBERS TO BOM -5, -7, -9. SEPARATED ALL PARTS TO SEPARATE SHEETS.	15-0080	4/16/2015	RJC	RW
E	NOTE 7 & 8 ADDED, TEMPLATE UPDATED	18-506	18.1.12	VM	ML



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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 171522MLJ
18-0202

RBWSI-HT-12AS GROMMET INSTALLATION TOOL

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) SPEC: N/A
- 5) BREAK ALL SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) APPLY LOCTITE 263 ONTO MATING SURFACES OF -5 AND -1 THEN PRESS FIT -5 INTO -1

DART AEROSPACE Hawkesbury, Ontario, Canada	
TITLE GROMMET INSTALLATION TOOL	
PART NO. RBWSI-HT-12AS	REV E
TOOL NO. RBWSI-HT-12AS	
DESIGNED BY: VM 1/12/2018	INITIALS AND DATE
DRAWN BY: VM 01/12/2018	TOLERANCES: XXX ± .006
CHECKED BY: VM 01/12/2018	XX ± .01
MFG REVIEW BY: DD 01/16/2018	X ± .1
APPROVED BY: ML 01/31/2018	SCALE: NTS
SHEET 1 OF 3	
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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: <u>171522</u> Part No. <u>BBWSI-HT-12AS</u> NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval <i>M. Lee</i>	
Description Work Order Deviation		Disposition		02/23/2018	
SUBSTITUTE LOCITE 262 FOR LOCITE 263		ACCEPTABLE TO SUBSTITUTE FOR THIS PART ONLY NO EFFECT ON FIT, FORM OR FUNCTION		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☒ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☒	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					